

## ABSTRACT

Assembly structures are characterized to allow electronic components quick, safe, easy to modify (manipulate by hands without tools), and visually intuitive (topographic) three-dimensional construction of circuits. The assembly structure allows an electronic component lead to connect to a neodymium iron boron magnet within the structure and extend the connection to other assembly structures having the same through a chrome steel ball magnetically attracting both assembly structures. The assembly structures house electronic components such as a resistor, capacitor, variable capacitor, inductor, diode, transistor, transformer, integrated circuit, wired battery clips, and a wired earpiece.